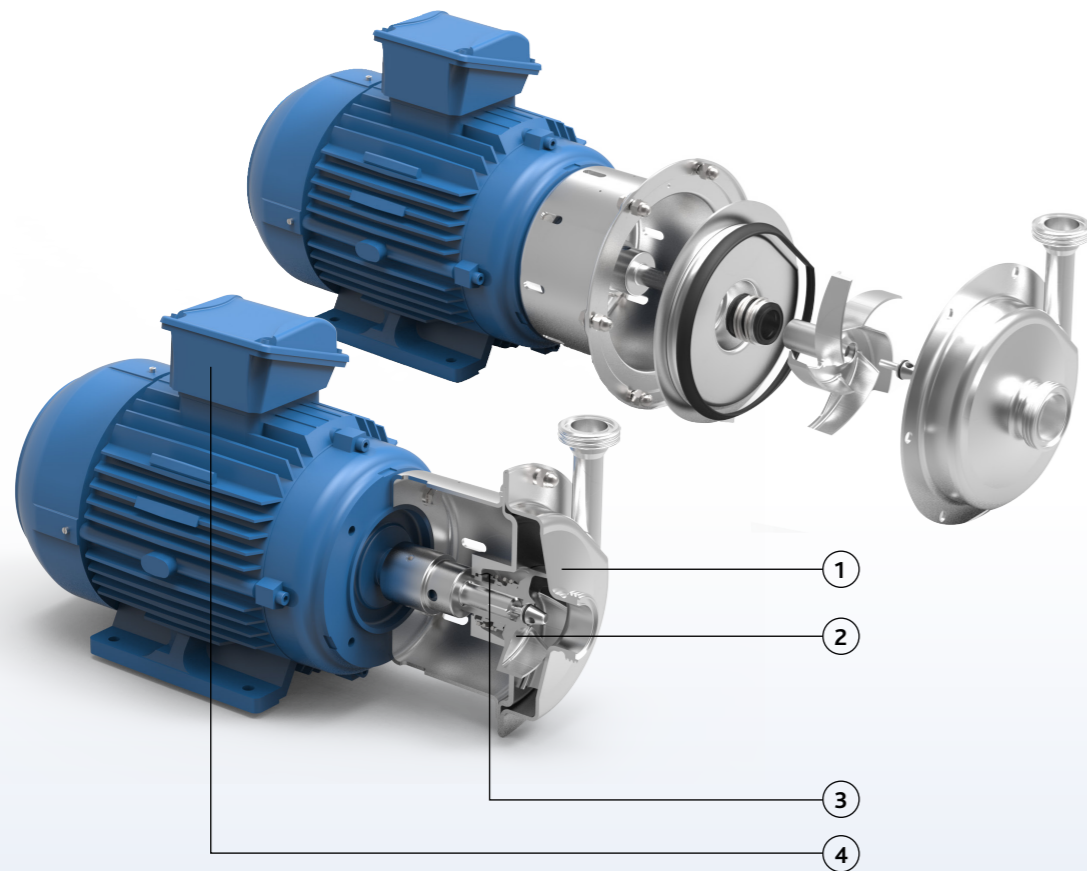


# Pump series ICP+



## Characteristics

These robust pumps have stainless steel 316L pump casings constructed in thick cold rolled plate and have open investment cast impellers in stainless steel 316L or duplex materials. Thanks to its solid construction and electropolished design these pumps are the reliable component for your production process.



### ICP+

- 1 Pressed stainless steel, pump casing thickness up to 8 mm, back plate up to 20 mm
- 2 Investment cast impellers
- 3 Large seal cavity to guarantee liquid circulation around the seal
- 4 Monobloc execution with std. IEC motors
- 5 Standardized mechanical seals to EN 12756  
FDA approved bellow mechanical seals or balanced O-ring seals
- 6 One seal diameter: Ø 33 mm, except for  
250 types: Ø 43 mm  
315 types: Ø 70 mm



bellow seal

## Your benefits





- High pump efficiency resulting in lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: higher resistance against corrosion
- Easy & robust construction and easy maintenance: less downtime
- Easy to install
- Solid impellers compared to low cost spot welded versions
- Standardized seals guaranteeing worldwide easy availability and low spare parts prices
- Standard components

## Application areas

The Packo pumps of the series ICP+ are used in a wide range of industries and applications. You can find them in just about all industries such as vegetable industry, breweries, dairies, distilleries, etc.

They are the ideal solution for filtration applications, pasteurisation, evaporating systems, yeast propagation and for CIP cleaning systems as well.

Typical applications include filtration of beer, wine and fruit juices as well as pumping yeast, whey and curd.

| Pump series                     | ICP+  |
|---------------------------------|---|
| <b>Performance</b>              |   |
| max. flow rate                  | 110 m <sup>3</sup> /h   |
| max. differential head          | 220 m   |
| max. inlet pressure             | 13 bar  |
| max. liquid viscosity           | 1000 cP   |
| max. temperature                | 140°C   |
| impeller type                   | open  |
| max. free passage               | 22 mm   |
| max. motor power                | 90 kW   |
| max. speed                      | 3000/3600 rpm   |
| available frequency             | 50/60 Hz  |
| <b>Technical specifications</b> |   |
| materials wetted parts          | stainless steel 316L or similar   |
| mechanical seal configuration   | single bellow, single balanced, quench, double, pressurized barrier   |
| available O-ring materials      | EPDM, FKM, FEP-FKM, FFKM, Silicone  |
| connections                     | hygienic fittings   |
| surface finish                  | industrial, internal welds not hand polished, electropolished   |
| certificates & legislation      |     |

## Performance curves at 2900 rpm

